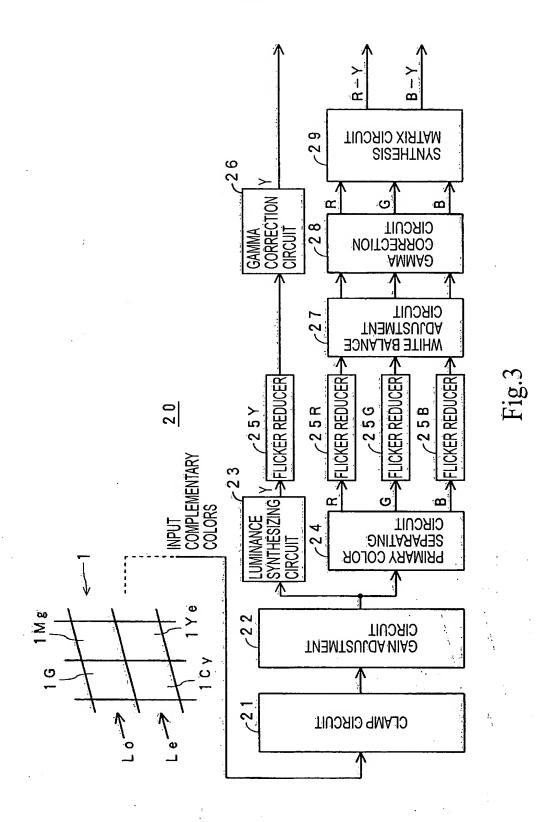
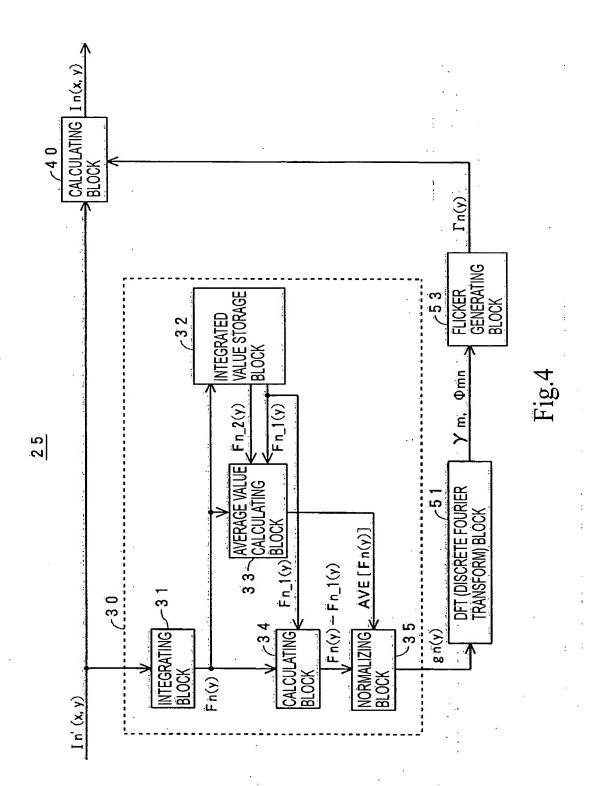
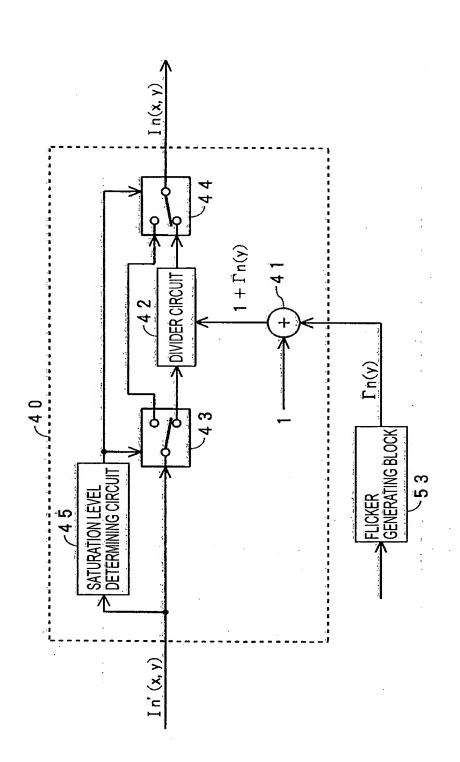


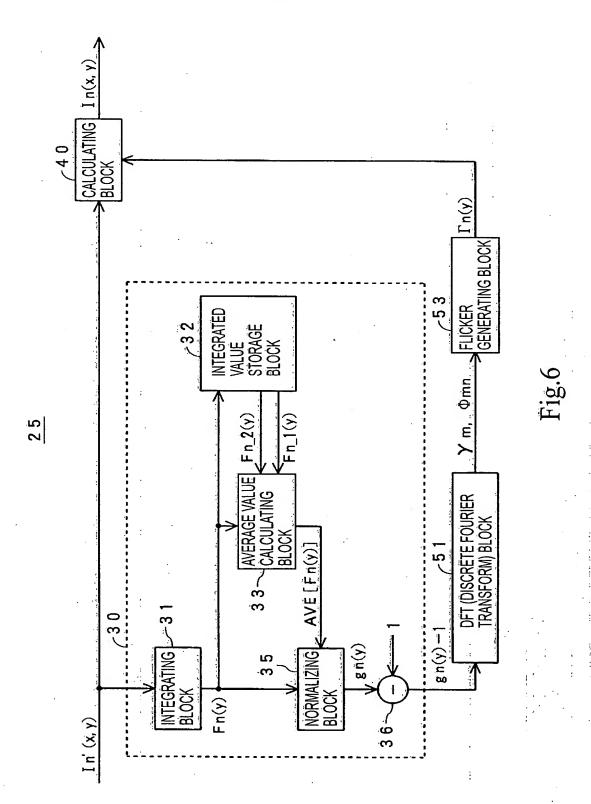
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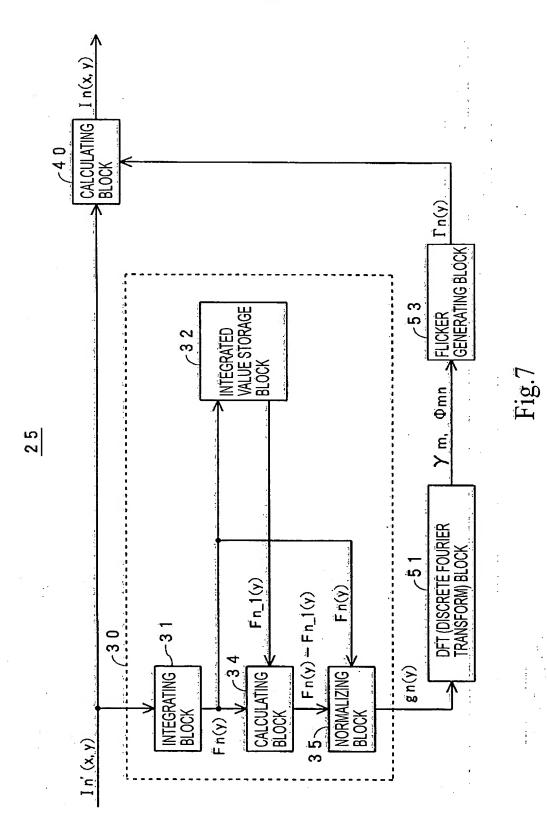




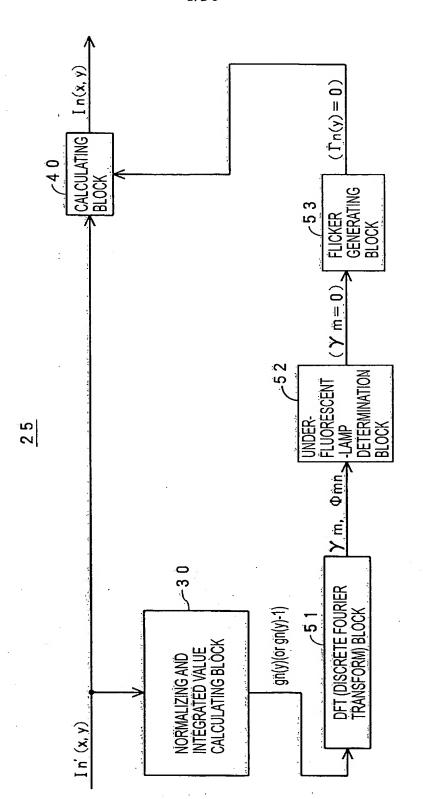


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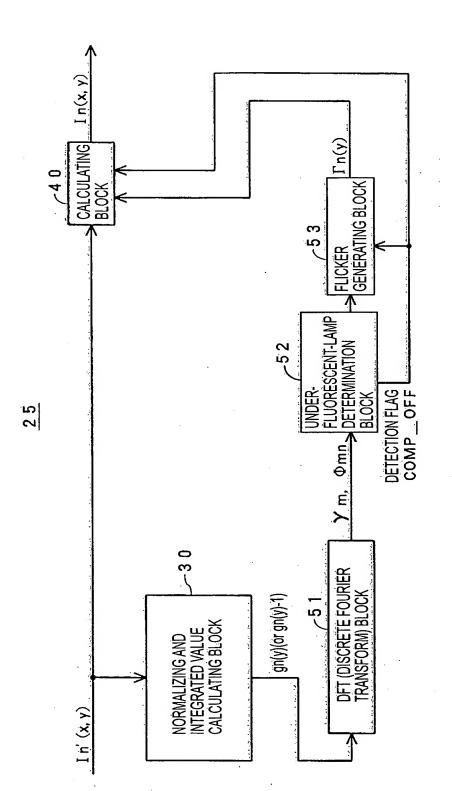




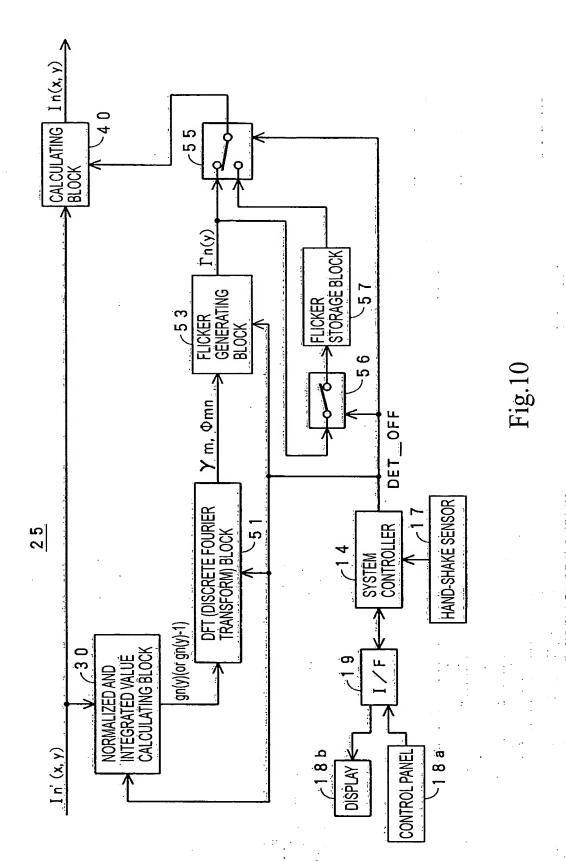




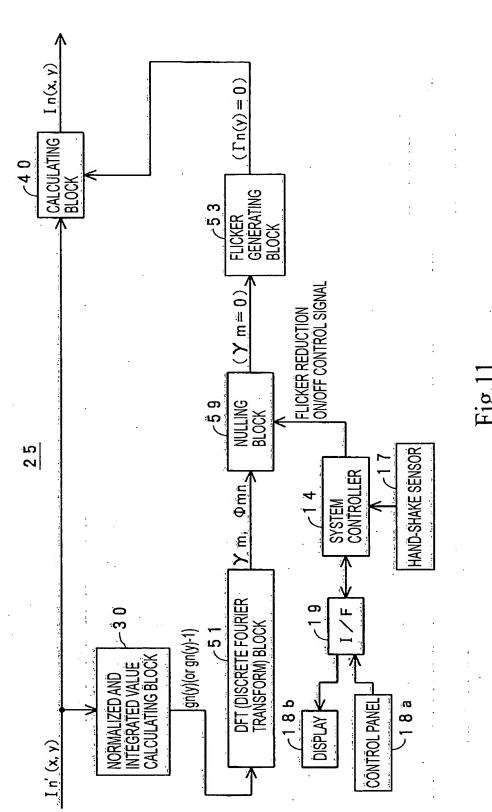
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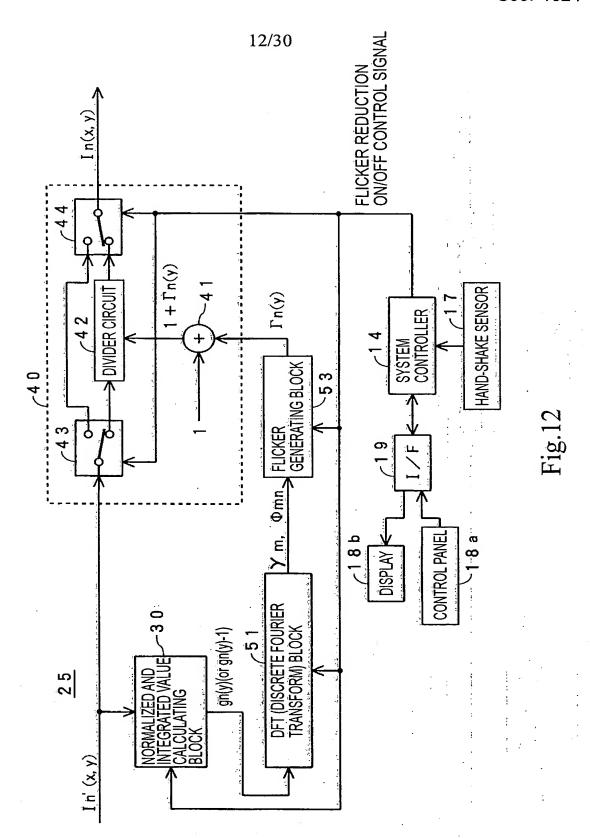


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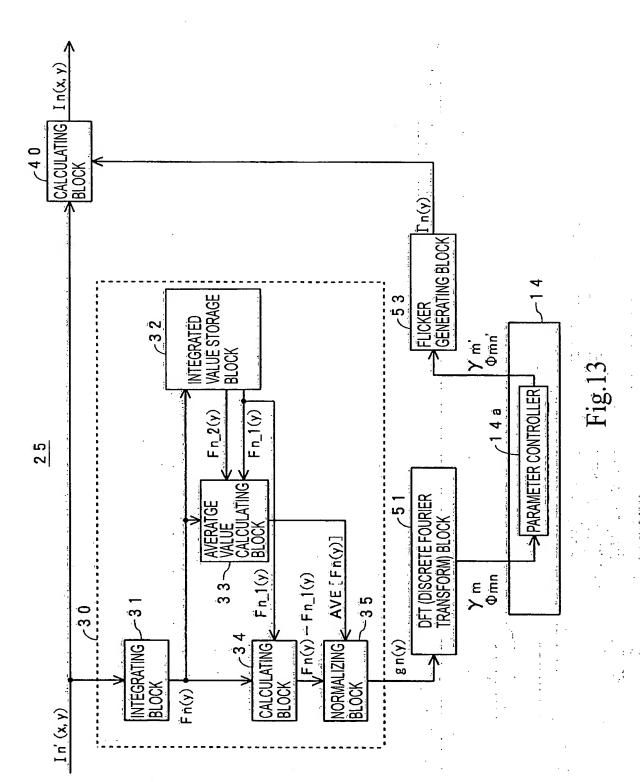


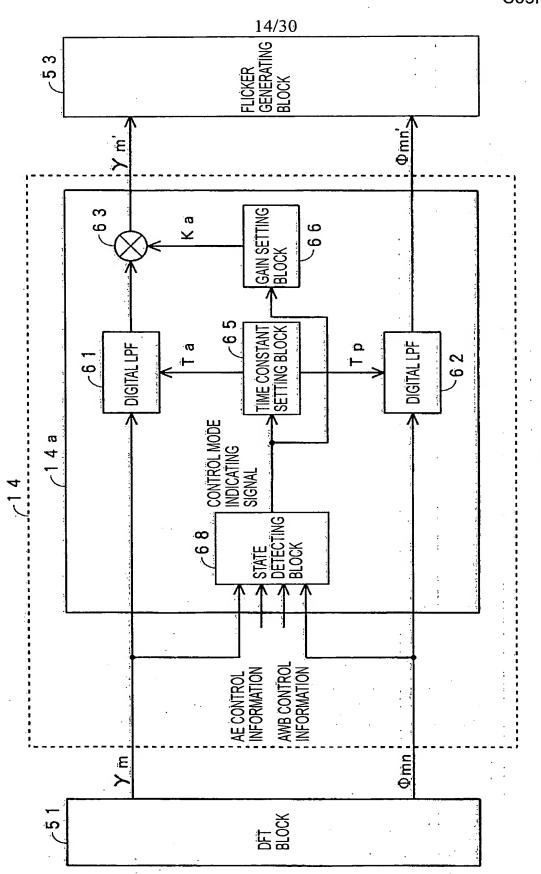






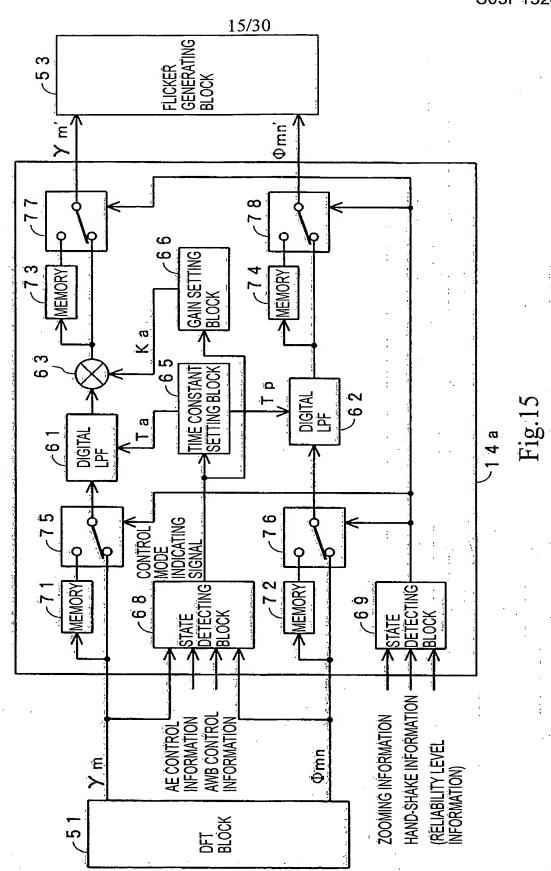
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F18.14

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CONTROL MODÉ	MODEA	MODE B
DETERMINATION CRITERIA	• THROUGHOUT A PLURALITY OF PAST FIELDS ym :ENËRALLY CONSTANT GENËRALLY CONSTANT GENËRALLY CONSTANT GENËRALLY CONSTANT GENËRALLY CONSTANT GENËRALLY CONSTANT NUMBER OF PERIODS AË CONTROL SCREEN LIGHTNESS VARYING EVERY INFORMATION CONSTANT NUMBER OF PERIODS AWB CONTROL:DETERMINËD ALMOST AS BEING UNDER INFORMATION "LIGHT OF FLUORESCENT LAMP"	• THROUGHOUT A PLURALITY OF PAST FIELDS ym :RANDOMLY VARYING IN THE VICINITY OF ZERO (NOISE COMPONENT ONLY) \$\Phi\$mn :RANDOMLY VARYING AE CONTROL :NO PERIODICITY IN SCREEN LIGHTNESS INFORMATION AWB CONTROL:DETERMINED ALMOST AS BEING UNDER INFORMATION "LIGHT OF NON-FLUORE SCENT LAMP"
STATÉ	STABLE STATE UNDER LIGHT OF FLUORESCENT LAMP (REGULAR FLICKER)	STABLE STATE UNDER LIGHT OF NON-FLUORESCENT LAMP (FLICKERLESS)

Fig. 16

••(5)

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 α n(y) = \sum_{x} I n(x,y)

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$$\begin{split} \text{AVE}[\text{Fn}(y)] = & (1/3) \sum_{k=0}^{2} \text{Fn}_{-k}(y) \\ = & (1/3) \bigg\{ \sum_{k=0}^{2} \alpha \, n_{-k}(y) + \alpha \, n_{-k}(y) * \Gamma n_{-k}(y) \bigg\} \\ = & (1/3) \sum_{k=0}^{2} \alpha \, n_{-k}(y) + (1/3) \sum_{k=0}^{2} \alpha \, n_{-k}(y) * \Gamma n_{-k}(y) \\ = & \alpha \, n(y) + (1/3) * \alpha \, n(y) \sum_{k=0}^{2} \Gamma n_{-k}(y) \\ = & \alpha \, n(y) \\ \text{WHERE} \\ \alpha \, n(y) \cong \alpha \, n_{-1}(y) \cong \alpha \, n_{-2}(y) \\ & \qquad \cdots (7) \end{split}$$

Fig.18B

$$\begin{split} F n(y) - F n_1(y) &= \{ \alpha n(y) + \alpha n(y) * \Gamma n(y) \} - \{ \alpha n_1(y) + \alpha n_1(y) * \Gamma n_1(y) \} \\ &= \alpha n(y) * \{ \Gamma n(y) - \Gamma n_1(y) \} \\ &= \alpha n(y) \sum_{m=1}^{\infty} \gamma m * \{ \cos(m * \omega_0 * y + \Phi mn) \\ &- \cos(m * \omega_0 * y + \Phi mn_1) \} \\ &\cdot \cdot \cdot (8) \end{split}$$

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$$gn(y) = \{Fn(y) - Fn_1(y)\} / A V E [Fn(y)]$$

$$= \sum_{m=1}^{\infty} \gamma m * \{\cos(m * \omega \circ * y + \Phi mn) - \cos(m * \omega \circ * y + \Phi mn_1)\}$$

$$= \sum_{m=1}^{\infty} (-2) \gamma m \{\sin[m * \omega \circ * y + (\Phi mn + \Phi mn_1) / 2] + \sin[(\Phi mn - \Phi mn_1) / 2]\}$$

$$\cdot \cdot \cdot (9)$$

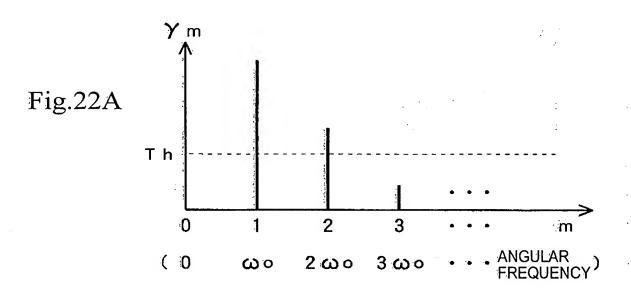
Fig.19A

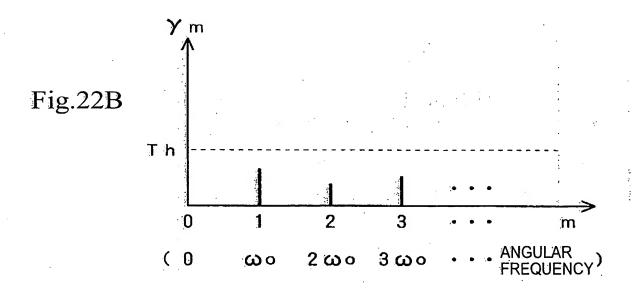
Fig.19B

$$gn(y) = \sum_{m=1}^{\infty} (-2) \gamma m * sin(m * \omega o * y + \Phi mn + m * \pi / 3)
* sin(-m * \pi / 3)
= \sum_{m=1}^{\infty} 2 * \gamma m * cos(m * \omega o * y + \Phi mn + m * \pi / 3 - \pi / 2)
* sin(m * \pi / 3)
= \sum_{m=1}^{\infty} 2 * \gamma m * sin(m * \pi / 3)
* cos(m * \omega o * y + \Phi mn + m * \pi / 3 - \pi / 2)
= \sum_{m=1}^{\infty} |Am| * cos(m * \omega o * y + \theta m)
* o (10)
WHERE
$$|Am| = 2 * \gamma m * sin(m * \pi / 3)$$

$$\theta m = \Phi mn + m * \pi / 3 - \pi / 2$$
• o (11a)
• o (11b)$$

Fig.20A	$\gamma = \Lambda m /[2*\sin(m*\pi/3)] \qquad \cdots (12a)$ $\Phi mn = \theta m - m * \pi/3 + \pi/2 \qquad \cdots (12b)$
Fig.20B	DFT[gn(y)] = Gn(m) = $\sum_{i=0}^{L-1}$ gn(i) *W ^{m*i} ···(13) WHERE W=exp[-j*2 π /L] ···(14)
Fig.20C	$ Am = 2* Gn(m) /L \qquad (15a)$ $\theta = \tan^{-1}\{Im[Gn(m)]/Re[Gn(m)]\} \qquad (15b)$ WHERE $Im[Gn(m)]: MAGINARY PART$ $Re[Gn(m)]: REAL PART$
Fig.20D	$\gamma = Gn(m) /[L * sin(m * \pi/3)]$ $\Phi mn = tan^{-1} \{ I m [Gn(m)]/R e [Gn(m)] \} - m * \pi/3 + \pi/2$ $\bullet \bullet \bullet (16b)$
Fig.20E	I $n(x,y) = I n'(x,y) / [1 + \Gamma n(y)]$ ••• (17)





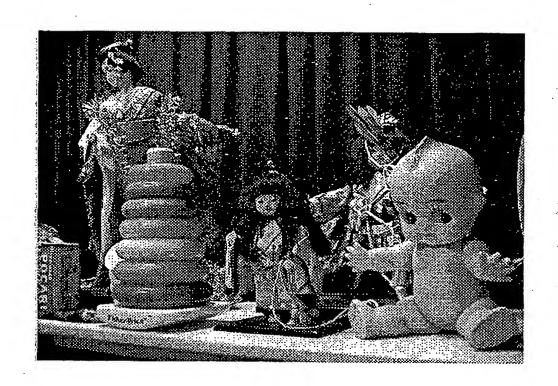
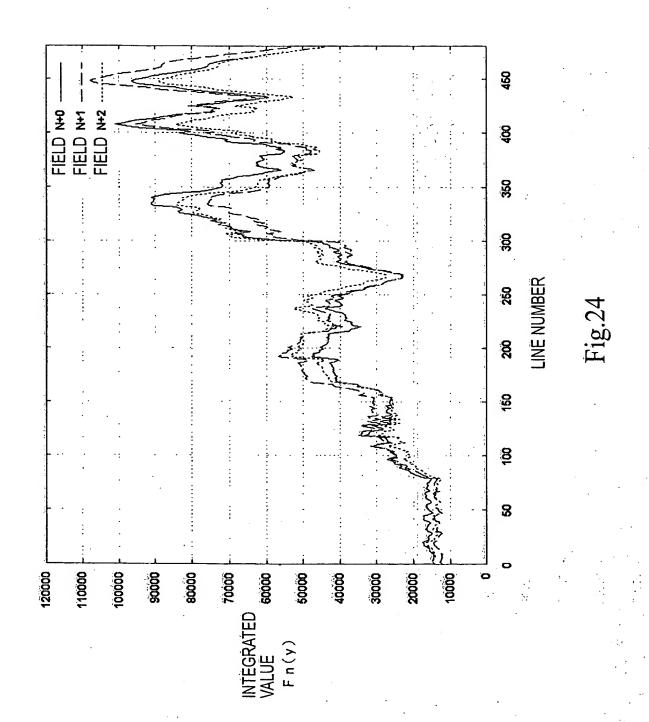
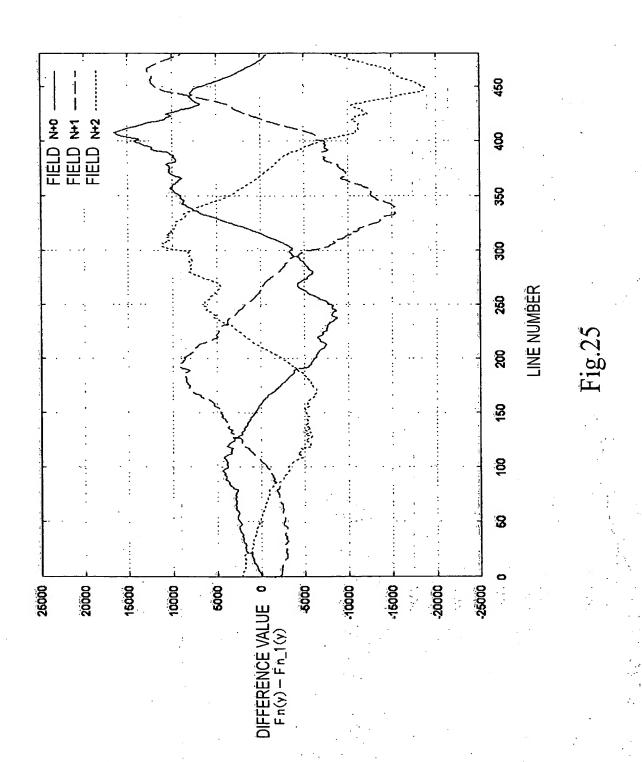


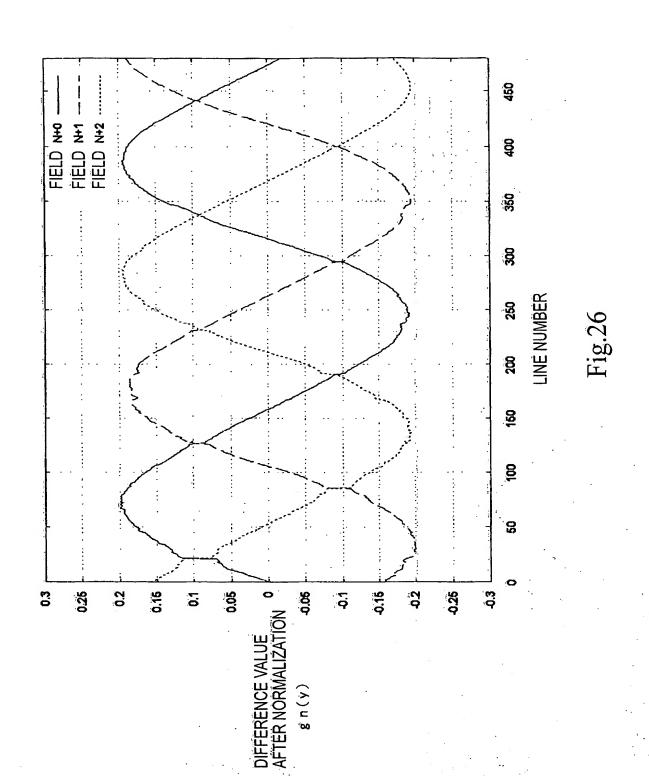
Fig.23

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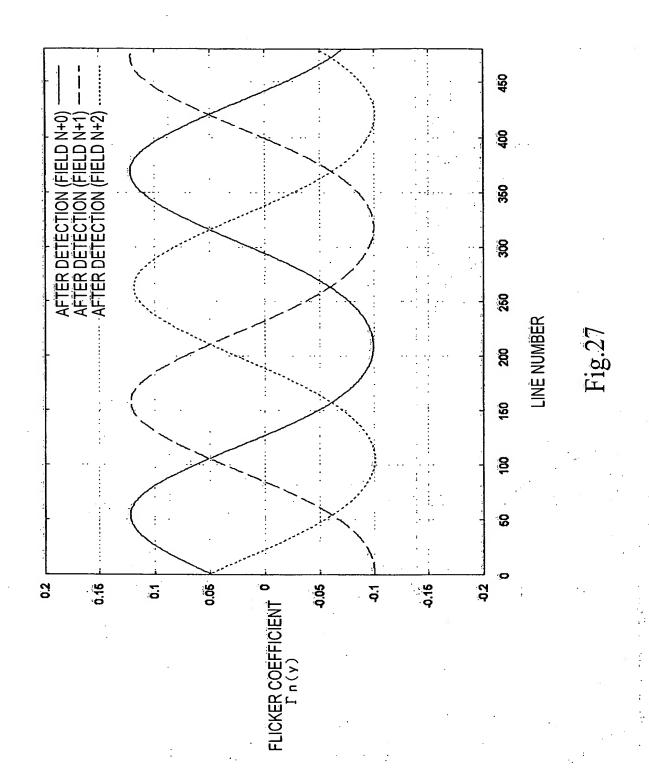


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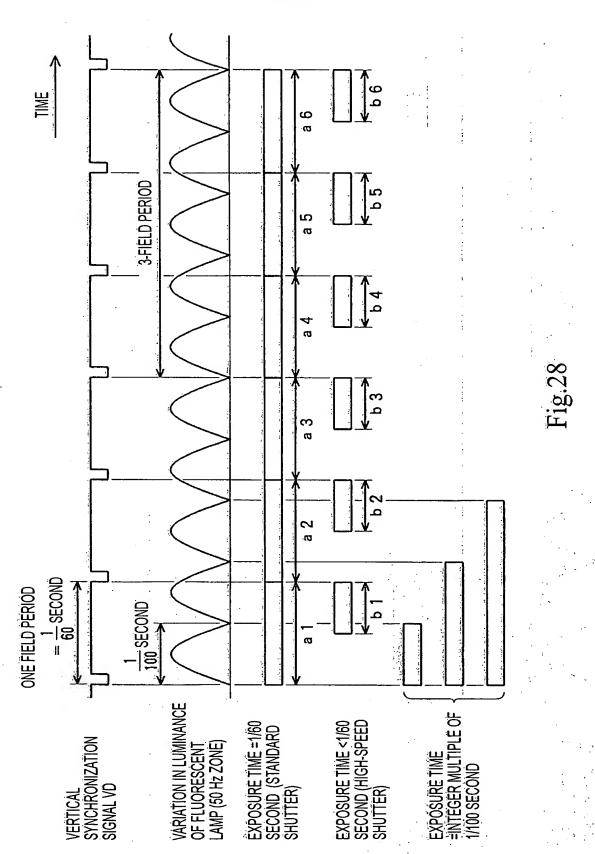




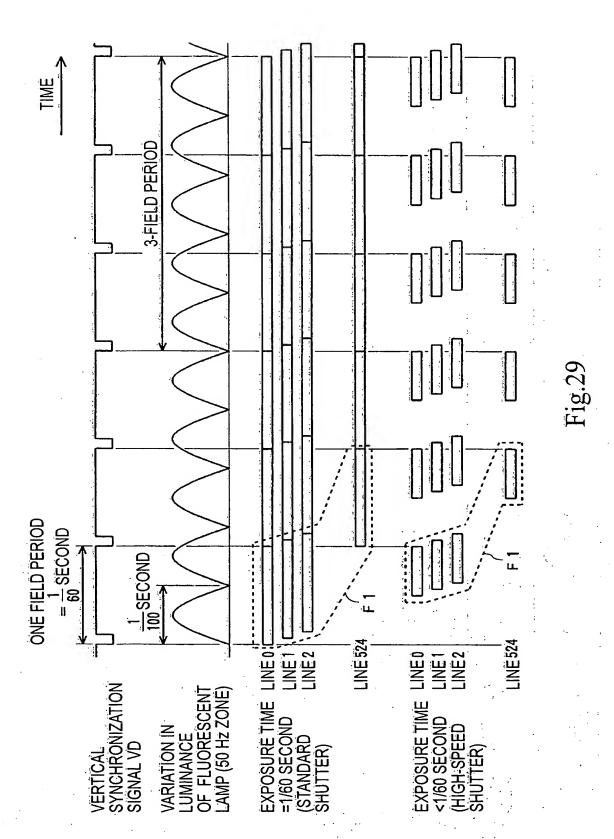
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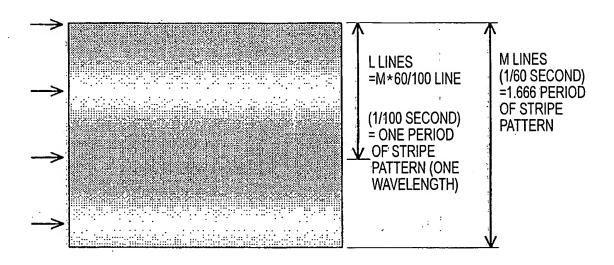


Fig.30

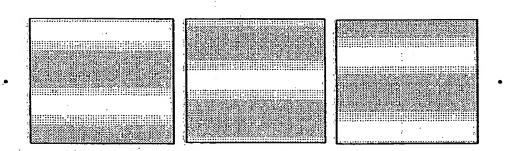


Fig.31